

19980117.qrp v00_n973.qrs.980117

Date: Sat, 17 Jan 1998 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 973

QRP-L Digest 973

Topics covered in this issue include:

- 1) [1165] Re: "Effective" Antenna Height
by Andy Fox <foxes@theriver.com>
- 2) [1166] FS QRP transceivers
by pmk@juno.com (Patrick M Kvitkauskas)
- 3) [1167] Re: Some rigs hard of hearing?
by Ken Freedman <n1qqv@cshore.com>
- 4) [1168] FS: 38 Special
by AA3BP <AA3BP@aol.com>
- 5) [1169] N/T+ Fox for 1/19/98 Update
by Shepherd <Shepherd@aol.com>
- 6) [1170] Re: Making UR Own QSL Cards
by Shepherd <Shepherd@aol.com>
- 7) [1171] Re: RG174 versus balanced feeder
by bruce muscolino <w6toy@pop.erols.com>
- 8) [1172] Rainbow Enclosures ... AND Tuners!
by "Heron, George" <G.Heron@dialogic.com>
- 9) [1173] Re: FYBO '98
by ka7you@juno.com
- 10) [1174] [v31xe@dzdn.com: Re: QRP vs Digital on 14.060]
by af852@rgfn.epcc.Edu (William R Colbert)
- 11) [1175] Attenuator for test instruments
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 12) [1176] ARS N8PVZ/QRP SSB Up and Operating
by "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
- 13) [1177] CQC Meeting Photos
by "Marshall Emm" <mgemm@mtechnologies.com>
- 14) [1178] Re: Extruded enclosures
by gsurrency@juno.com (Gary L Surrency)
- 15) [1179] It's Official
by "Marshall Emm" <mgemm@mtechnologies.com>
- 16) [1180] Re: RG174 versus balanced feeder
by "Ray Lowe" <wd5dhk@hotmail.com>
- 17) [1181] QRP supper in Laurel, MD/22 Jan
by Mike Czuhajewski <wa8mcq@u1.abs.net>
- 18) [1182] Re: Military NVIS antenna - crossed inverted vees?
by Rod Logsdon <bike4life@bikerider.com>
- 19) [1183] Re: Extruded enclosures

- by Leon Heller <leon@lfheller.demon.co.uk>
- 20) [1184] Re: It's Official
by wp4jxd@prtc.net (wp4jxd)
- 21) [1185] Re: It's Official
by "Marshall Emm" <mgemm@mtechnologies.com>
- 22) [1186] Re: It's Official
by Shepherd <Shepherd@aol.com>
- 23) [1187] Re: It's Official
by n4js@pobox.com (John Sielke)
- 24) [1188] Extruded enclosures
by Tony Fishpool <g4wif@btinternet.com>
- 25) [1189] Re: What CW tone do you prefer?
by "Frank A. West" <ke6vhm@earthlink.net>
- 26) [1190] Explanation of \$22 QRP banquet price
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 27) [1191] Mechanical Filters: HOW TO BUILD?
by k5gq@juno.com (C M Tyler)
- 28) [1192] something old, something new
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 29) [1193] Re: Military NVIS antenna - crossed inverted vees?
by K4AHK@ix.netcom.com
- 30) [1194] Frequency Calibration?
by "Jonathan C. Mordosky" <mordosky@erols.com>
- 31) [1195] Re: It's Official
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 32) [1196] outback make-do antennas
by K5BDZ <K5BDZ@aol.com>
- 33) [1197] Re: [v31xe@dzn.com: Re: QRP vs Digital on 14.060]
by ki7mn@dancris.com
- 34) [1198] Re: It's Official
by "Ray Lowe" <wd5dhk@hotmail.com>
- 35) [1199] Re: It's Official
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 36) [1200] Oh Woe, Woe is me !!!
by KF4EIB <KF4EIB@aol.com>
- 37) [1201] Re: outback make-do antennas
by kt3a@juno.com
- 38) [1202] Re: Military NVIS antenna - crossed inverted vees?
by kt3a@juno.com
- 39) [1203] Re: Dog Sled QRP DXpedition
by Steve Galchutt <n0tu@webaccess.net>
- 40) [1204] FS: QRP Stuff
by "N4ELM" <n4elm@ipass.net>
- 41) [1205] WTB: 80 Meter module for Sierra
by "N4ELM" <n4elm@ipass.net>
- 42) [1206] Re: Sierra Blue / Sierra Mods
by kf2ew@juno.com (David M Kopacki, Sr.)
- 43) [1207] Re: Sierra Blue / Sierra Mods

by kf2ew@juno.com (David M Kopacki, Sr.)

44) [1208] Re: It's Official
by "Ronald Hands" <rhands@hwcn.org>

45) [1209] Re: Oh Woe, Woe is me !!!
by Rich Wilkerson <richqrp@home.com>

46) [1210] Think before you quote!
by Mel Evans <MelEvansGM6JAG@compuserve.com>

47) [1211] WWVB Rx
by Steven Weber <kd1jv@moose.ncia.net>

48) [1212] Trees as antennas & other silliness
by nilsbull@juno.com (Nils R Young)

49) [1213] Easy ladder-line tuning
by Vic Rosenthal <rakefet@rakefet.com>

50) [1214] FS:OHR: 30M Explorer II, SCAF
by Steve Galchutt <n0tu@webaccess.net>

51) [1215] Re: Oh Woe, Woe is me !!!
by "Paul Christensen" <paulc@mediaone.net>

52) [1216] Re: It's Official
by "Marshall Emm" <mgemm@mtechnologies.com>

53) [1217] Argo Module Mod for 29 Mhz
by "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>

54) [1218] QRP vs Digital
by "Claton Cadmus" <aplitech@spacestar.net>

55) [1219] Hamstick to Bugcatcher conversion...
by Steve Galchutt <n0tu@webaccess.net>

56) [1220] re: TunaTin2 Circad File
by "Heron, George" <G.Heron@dialogic.com>

57) [1221] FOX ID corrected
by Randy Foltz <rfoltz@wsunix.wsu.edu>

58) [1222] Doug DeMaw
by KB9RPD <KB9RPD@aol.com>

59) [1223] Re: Doug DeMaw
by "Paul Christensen" <paulc@mediaone.net>

60) [1224] Re: Doug DeMaw
by "Ron Smith" <resmith@primenet.com>

61) [1225] QRPP Downsizing
by kclark@ridgecrest.ca.us (K Clark)

62) [1226] Re: Frequency Calibration?
by Leon Heller <leon@lfheller.demon.co.uk>

63) [1227] Re: QRP vs Digital
by Dave Sjolin <sjolin@swbell.net>

64) [1228] FOX: Hunt Tonight!
by W2MY & W2MBY <n2mnn@spacegate.com>

65) [1229] Re: FS:OHR: 30M Explorer II
by Steve Galchutt <n0tu@webaccess.net>

66) [1230] Re: WWVB Rx
by "S. Lee" <slee@u.washington.edu>

67) [1231] Tuna Tin2 - CB Slider

by Tom Moll <tomm@xata.com>
68) [1232] Getting Circad Files to JPEG Format
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
69) [1233] Re: Oh Woe, Woe is me !!!
by wa8rxi@juno.com (Richard C Arzadon)
70) [1234] Re: QRP vs Digital on 14.060]
by wa8rxi@juno.com (Richard C Arzadon)
71) [1235] N/T+ Fox for 1/19/98 Reminder
by Shepherd <Shepherd@aol.com>
72) [1236] Tuna Tin 2, CB Slider & Herring Aid 5
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
73) [1237] Transistor Checker Circuit??
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
74) [1238] Update: ER's TIXIE
by n2jgu@juno.com (Gary M Diana)
75) [1239] CW tone,ans from a non ham.
by gregoire@endor.com
76) [1240] Re: Ten-Tec Rig Info -- Watson/WB4EXW
by dannyayers@juno.com (danny k ayers)
77) [1241] ironon pcb
by dave_epps@juno.com
78) [1242] Re: QRP vs Digital
by "Claton Cadmus" <aplitech@spacestar.net>
79) [1243] Antennas on 97 Taurus
by "Ron Polityka" <wb3aal@talon.net>
80) [1244] Re: Doug DeMaw
by David J Adams <adamsclan@netgate.net>
81) [1245] Re: Doug DeMaw
by Monte Stark <ku7y@sage.dri.edu>

Date: Fri, 16 Jan 1998 17:32:23 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1165] Re: "Effective" Antenna Height
Message-ID: <34BFFC17.F378ECB7@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello again,

Thanks to everyone who responded to my plea - there are so many that I
am doing a "group" thanks.

I won't be at this QTH long enough to grow any trees, but I will order
a ZM-2 tuner and use a balanced line to get to the dipole.

Thanks again, and 73

--

Andy Fox, KK7HV
mailto:foxes@theriver.com
http://personal.riverusers.com/~foxes/

Date: Sat, 17 Jan 1998 12:55:48 +0000
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-l@Lehigh.EDU
Subject: [1166] FS QRP transceivers
Message-ID: <19980117.125549.17262.0.pmk@juno.com>

I have for sale a few QRP transceivers. I sure would like to be a new owner of a Sierra.

I have accumulated a few rigs through the last few years.

All have been built by myself except for HW-7's and operate FB.

OHR Dual band 40/20 Classic with Island keyer \$175

OHR Explorer 30 with Island keyer \$100

OHR 100 15 with Island keyer \$125

HW-7 that need a little help. Made a bunch of contacts with it but goes into oscillation over 7.050 \$50

HW-7 in perfect working order \$125

38 Special built in a double CD case with 10 turn pot and TICK keyer \$50

GM-15 in a real nice case with TICK keyer \$100

Think I will keep the other 38 Special hi

Have PIC's and more info if interested.

72/73 de Patrick

Patrick Kvitkauskas
407-841-9539

AR

Date: Fri, 16 Jan 1998 20:30:38 -0500
From: Ken Freedman <n1qqv@cshore.com>
To: BParkes@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [1167] Re: Some rigs hard of hearing?
Message-ID: <3.0.32.19980116203004.0068db38@cshore.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:27 PM 1/16/98 EST, you wrote:

>Howdy,

>

>I wonder if some of the new QRP rigs send better than they hear?

Hi Bruce,

This kind of thing happens more often than you might think. New or old, the fact that some stations can be heard on a receiver doesn't mean that the RX is functioning correctly. If you have a rig with a "stingy" S-meter, take a long hard look at the RF amplifier section. It may be something as simple as a cold solder joint.

I learned this lesson the hard way. :)

73, Ken

Ken Freedman
AKA N1QQV/QRP ARRL VE, QRP-L

Date: Fri, 16 Jan 1998 20:41:21 EST
From: AA3BP <AA3BP@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [1168] FS: 38 Special
Message-ID: <3728cab7.34c00c44@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Anyone interested in a ****completed**** 38 Special? Mine is complete with 5 watt mod and neatly mounted in a converted computer printer A/B Switch box. While

this rig technically works, I was never able to get it tuned up correctly. The Power output seems low (about 2 watts) and the sidetone doesn't sound right. Rx portion seems fine. I incorporated several of the mods I found posted on this list. They were done neatly and the PCB is in good shape.

Bottom line is (much to my embarrassment), I was simply defeated by this project -- not enough technical know-how on the cold end of the soldering iron!

So, anyone want to give this 38 Special a little TLC and a good home? It'll require some tweaking, but to you technical gurus should be well worth the \$25 I'm asking (shipping included). I would even be willing to sell the board without the enclosure/controls for \$15.

Respond direct to aa3bp@aol.com.

73,

Jim, AA3BP

Date: Fri, 16 Jan 1998 21:12:58 EST
From: Shepherd <Shepherd@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1169] N/T+ Fox for 1/19/98 Update
Message-ID: <8ca7748d.34c013af@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello all,
I want to make a correction to my last post, I will operate for two hours not one.

My name is Dan Shepherd, N8VZU from Kettering, Oh.
I will be the Fox on 1/19/98 from 0000 to 0200Z (Sunday 1900 EST)
I will work around 7.140 +/- MHz
Rig is a Yaesu FT-101 at 5 W into a home brew vertical.

This is my second time as a Fox.

I will QSL to all.
Thanks, and 72
Dan, N8VZU
QRP-L #1404

Date: Fri, 16 Jan 1998 21:35:28 EST
From: Shepherd <Shepherd@aol.com>
To: c.mark.tyler@worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [1170] Re: Making UR Own QSL Cards
Message-ID: <77008663.34c018f2@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Mark Wrote:
<How did you print it on the post card/ sheets (3 cards to a sheet, I
<think)?
<
<If it is not too much trouble could you send me the blank graphic made
<in Windows Paint file?
<
<K5GQ
<Mark Tyler
<qrp-l 794

Mark,
One easy way to do this is to open your graphic in Paint, select EDIT, then
SELECT ALL, then EDIT again, and finally COPY.

Next select FILE, then NEW.

Next select IMAGE, then ATTRIBUTES. Set the width to 8 inches and the height
to 11 inches.

Next select EDIT, then PASTE. This will put your graphic on the left top of
the screen, pull it towards the top center of the page. Repeat the EDIT, PASTE
part one or two more times. Put the second graphic just below the first and so
on.

Since graphics are pretty memory intensive, you will need a pretty "Beefy"
system for three cards to a sheet. My old HP Laser Jet 500 will only let me
get two per sheet.

Hope this helps, also the zipped graphic on my Web Site is in Windows Paint
format, if you need I can E-mail the file to you.

72,73
Dan, N8VZU
QRP-L #1404

Date: Fri, 16 Jan 1998 22:27:25 -0500 (EST)
From: bruce muscolino <w6toy@pop.erols.com>
To: vole@primenet.com
Cc: QRP-L@Lehigh.EDU
Subject: [1171] Re: RG174 versus balanced feeder
Message-ID: <2.2.16.19980116231331.2f4f271a@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>about using a random wire antler with it - just plug
>the wire in the "hot" side of the balanced feed connector
>and the counterpoise into the ground side.
>

Let me say if you've never used an end fed wire you ought to try one. I have used all manner of antennas in the last 42 years. The first one was an end fed wire that turned the plate of my DX-35's 6146 a lovely shade of red! Then came a Windom, a rotatable Dipole, verticals, and, of course, random short wires.

The normal antenna here at the TOY House is an end fed wire about 200 feet long. This counts the part that slopes up to the flat top and the part that hangs down the tree trunk at the other end! I have a counterpoise of about 30 feet hanging out another window.

Does it work?

I made just about 200 QSOs in this last year's sweepstakes. I worked about 69 or 70 sections. The greater majority of those QSOs were made on 80 meters, including most of the West Coast sections. Not awfully bad for a \$15.00 antenna I put up in a day. (The \$15.00 includes the wire, the fishing line, and the weights, plus a suitable amount of depreciation for my Whammo slingshot!)

I use a Johnson Matchbox these days and an MFJ Artificial Ground for the counterpoise. But, I have used simpler MFJ tuners as well. The rig was a Kenwood TS130V running just slightly under 5 watts output.

Before I was blessed with a house and a backyard I lived in a condo with my mother. The first time I operated there I used a TS520 and 15 feet of wire laying on the floor of my bedroom! I made QSOs up and down the East Coast with that setup on 80 Meters! I later developed my famous "Stealth" antenna (see QST, July 1995) in that condo. This was an end fed hunk of magnet wire launched into a nearby tree and replaced as required to feed Mother Nature! Again, I used a counterpoise; at first fixed lengths run under the rug, and later tuned with the Artificial Ground.

They work. They Work. THEY WORK. They're also simple and easy to erect. Many times you'll only have to hold the far end up off the ground.

Try one -- I guarantee you'll like it!

73

Date: Fri, 16 Jan 1998 22:26:54 -0500
From: "Heron, George" <G.Heron@dialogic.com>
To: qrp-1@Lehigh.EDU
Subject: [1172] Rainbow Enclosures ... AND Tuners!
Message-ID: <DF8C9288E968D011A5950060972035B102BFB7B6@mailnj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

You've heard the spectacular news from Doug Hauff about the Rainbow Enclosures being active now on his milling machines, right??? (See Doug's News Flash below).

Well, the Rainbow Tuner kits themselves are also still available! The NJ-QRP Club has just received parts for another round of kits and we'll be putting hundreds o' parts in little bags over the next couple of weeks to fill some backorders ... AND to prepare for interest stimulated by Doug's great lookin' enclosure to match the 38S.

If you haven't ordered a Rainbow Tuner yet, or if you want another one for the sharp looking, bullet-proof, anodized case from Doug, now's the time to get your order in. This may well be the last time we extend the kitting of this popular N2CX design which was co-winner of the 1997 Dayton Building Design Contest (sponsored by NorCal) and the Rainbow will soon be hard to find.

You can learn all about the Rainbow Tuner at the NJ-QRP website (<http://www.njqrp.org>). Just follow the links from our home page to see the Rainbow Tuner description, schematic, reviews, specs, pics, app notes, ordering instructions, and more. You can also get this information sent automatically via email by putting SEND RAINBOW in the body of a message to EMBOT@NJQRP.ORG. This will return everything (except the picture files) to you a long text message.

72,

--George N2APB
for the NJ-QRP Club

=====

On 14-Jan-98 doug hauff typed:

>NEWS FLASH NEWS FLASH NEWS FLASH NEWS FLASH NEWS FLASH

>

>THEY'RE DONE!! THEY'RE DONE! SHIPPING DAILY! SHIPPING COMPLETE
FRIDAY!!!

>EXTRAS IN STOCK!!! HEATSINKS ON CNC TOMORROW!!! RAINBOW ENCLOSURE IN
>PROTOTYPE!

>YIKES! AMMMMMMAAAAAAAAAAAAZING!!

AH! Can the Rainbow Tuner Enclosures be far behind????

Date: Fri, 16 Jan 1998 22:49:14 EST

From: ka7you@juno.com

To: wa5whn@juno.com

Cc: qrp-1@Lehigh.EDU

Subject: [1173] Re: FYBO '98

Message-ID: <19980116.200145.29663.2.KA7YOU@juno.com>

Jay,

You wrote "How many of You have practiced sending cw, with just Your' gloves on ? "

Personally I would try the FYBO with warm pants, however using 'just Your' gloves' does give the term FYBO added meaning.

7 3,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

On Fri, 16 Jan 1998 12:36:05 -0700 wa5whn@juno.com writes:

>

>qrp-lers,

>

> We had some People over for dinner a few nights ago, and a good
>friend of ours, who is not a Ham, had walked to our refrigerator to
>retrieve a cold drink. When She had opened the refrigerator, She had
>found 2 radios in the back of one shelf, wrapped in plastic. I had
>noticed that She had this puzzled look on her face. She did not say a
>word for over 20 minutes, then She had asked "Why are those radios in
>the refrigerator ?" , to which I had responded, "So we can listen to
>cool tunes in the summer." She did not buy that answer, so I had
>proceeded to tell her that's how I check out my radios for an upcoming
>radio contest {FYBO '98}. She was very glad to hear that I was not
>becoming absent minded.

>
> How many of You have practiced sending cw, with just Your' gloves on
>?
>
> Anyone notice the tension change, in the springs, on the paddles,
>when the outside temperature drops below 32 deg. F ? It can become
>very entertaining. A wee bit stiff on the old paddle.
>
> How many People already have their FYBO '98 operating sites picked
>out ? What gear are You taking ? Do You have a nifty way of de-icing
>the antennas ? How many dog sled qrp mobiles out there ?
>
>
> BTW, I was perusing through <http://www2.ebay.com/> & had noticed a
>J-37 key on the bid list. It's up to \$60.00. Type "Ham Radio" into
>the Ebay search engine, without the quotes.
>
> Darn, I wish the UK QRPers would send over some good stout warm ale,
>for the big celebration after FYBO '98. It's for thawing out the
>fingers. ; -)
>
>
> Looking forward to working most of You, from DM54, near Pinetop,
>Arizona, with the rest of the Az./NM Gang, during FYBO '98
>{<http://www.dancris.com/~ki7mn/>} If You are interested in the terrain
>that we will be playing around in, go rent the movie "Fire in the
>Sky". We will be right along the Mogollon Rim.
>
>
>
> 72...Jay, WA5WHN {soon
>to be, in a few weeks, /7}
>
>
>
>
>

Date: Fri, 16 Jan 98 20:50:46 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-l@Lehigh.EDU
Subject: [1174] [v31xe@dzdn.com: Re: QRP vs Digital on 14.060]
Message-ID: <9801170350.AA20696@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzdn.com ("William R. Colbert")
To: af852@rgfn.epcc.Edu
Subject: Re: QRP vs Digital on 14.060
Date: Fri, 16 Jan

This is a multi-part message in MIME format.

-----54F93A6F486B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"

Ray Colbert, W5XE,
OOTC 3618, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

-----54F93A6F486B
Content-Type: text/plain; charset=us-ascii; name="DIGIPBLM.TXT"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="DIGIPBLM.TXT"

=====

Date: Fri Jan 16 20:15:45 1998
qrp-l@lehigh.edu - Not a local address - Assuming it's OK.
Subject: Re: QRP vs Digital on 14.060

I wish to thank Bill, KD7S for pointing out the letter about the rtty to qrp qrm on 14.060. I have had my run-ins with the digi people but this letter let me see another side. However, recently (within the past couple of months) the NW qrp net on 10.123 has been wiped out here due to amtor transmissions. Seems that the 10.123 area is now the gathering place. I hate to see another qrp frequency go away but it sure looks like it may be and this is with no hearable digi activity in the 10.130-150 range. Anyway, I suspect a lot of the problem comes from the operators not being familiar with how the lower sideband generation of digital signals wipes out frequency below where they think they are. It may well sound clear before turning on the transmitter, but 1.5 khz below, sometimes more, what qso's

that were in progress will be totally wiped out. Happening more and more. I considered another letter to ARRL putting forth the problem but since the last two or three went unnoticed, decided not to waste the time. Now, when digi's come on the area that I have been operating, I turn the radio off and do something else. I suspect soon, I will be able to trade the radio gear for fishing gear or something less stressful.

####

=====

-----54F93A6F486B--

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Fri, 16 Jan 1998 22:13:47 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [1175] Attenuator for test instruments
Message-ID: <3.0.3.32.19980116221347.006c0de4@mol-sun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

a while back, somebody from this list (in a qrp magazine i believe) described circuit that used a transformer and some other components to act as an attenuator to protect test equipment from inadvertant over-voltage signals. i can not remember who it was, or where I read it, but i would like to find it again.

i'd appreciate any pointers.

thanks.

--adam, n2brt

=====

Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu QRP ARCI : NorCal : QRP-L: G-QRP : CQC
 Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
=====

Date: Fri, 16 Jan 1998 23:16:18 -0500
From: "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [1176] ARS N8PVZ/QRP SSB Up and Operating
Message-ID: <3.0.32.19980116231606.006893dc@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have my new(to me anyway) TenTec ARGO 556 up and running, and plan on going for the WAS QRP SSB(2 down - 48 to go!) So give a listen to 20 & 15m(primarily for now; also have the modules for 10, 17, 20, 30(CW only of course), 40, and 80m).

I'm also looking to recrystal the 10m module so I can work mode A sats(not QRP tho;2m up, 10m down); got that tidbit off the TenTec reflector.

72 de N8PVZ

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@qsl.net <http://www.concentric.net/~n8pvz/>
We are QRP. Resistance is futile. You will be assimilated

Date: Fri, 16 Jan 1998 21:27:05 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net
Subject: [1177] CQC Meeting Photos
Message-ID: <199801170425.VAA32750@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The meeting photos on the web site NOW HAVE CAPTIONS!
Now you can find out what was actually going on [g].

Point your browser at <http://www.mtechnologies.com/cqc> and click on the Photo Gallery button.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

--

Date: Fri, 16 Jan 1998 21:27:58 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [1178] Re: Extruded enclosures
Message-ID: <19980116.212759.12054.0.gsurrency@juno.com>

I built the Dec. QST keyboard encoder by W6NKS into a neat two piece extruded aluminum box from Fry's Electronics here in Phoenix. It has grooves in it for the PC board and for the mounting screws. The top of it comes off, and has neat tongue-and-groove fit into the lower part. I had to cut off about an inch or so of length for the little FAR PCB so it wouldn't slide back and forth, but the original size was about 4" L x 1 1/2" H x 2 5/8" W. It is made of very heavy aluminum, and the end plates are about 1/8" thick. The extruded top and bottom is around 1/16" thick.

I think there was another larger size, but I didn't note the dimensions. So if there's a Fry's near you, check it out. They also have lots of Pac-Tel boxes and some other two-piece cabinets with sloping panels that are real nice.

beaucoup 72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Date: Fri, 16 Jan 1998 21:43:59 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-1@Lehigh.EDU
Subject: [1179] It's Official
Message-ID: <199801170442.VAA00279@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

It's official-- Mighty Samson, the QRP Dog, can copy Morse Code.

I had noticed that Sammy responded to the word "OK." This goes back to countless brief phone calls asking for a ride home, ending with me saying "OK." He is always attentive when the phone rings, waiting for that word to let him know it's time to go for a ride in the car.

A few weeks ago, for no particular reason that I can recall now, I started whistling "OK" in Morse before saying the word. Now all I have to do is whistle "OK" and he's ready to go.

Aha! You're undoubtedly thinking that Samson is responding to the whistle, not the content. But hey, guess what? I can whistle anything else at the same pitch (even "KO") and he knows it is not "OK" (or he'd be running for the door).

OK, so now you're thinking he is recognizing the sound of a specific rhythm. Well yes. And that's another way of saying he is copying Morse!

You don't have to take my word for this-- Sammy's code proficiency has been verified by two independent experts (fellow CQC officers and Extra class operators Rich W0HEP and Dick AB0CD). They couldn't believe it either until they saw it for themselves and whistled "OK" a couple times, along with other messages, resulting in one very confused QRP Dog (since we weren't going anywhere).

There's a picture of Samson on my personal web page at: <http://www.mtechnologies.com/n1fn>, and Samson has his own e-mail link. He can't read yet, but we're working on it. First I want to I teach him to copy 24 more letters.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies

Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

--

Date: Fri, 16 Jan 1998 20:45:45 PST
From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [1180] Re: RG174 versus balanced feeder
Message-ID: <19980117044545.9818.qmail@hotmail.com>
Content-Type: text/plain

>Date: Fri, 16 Jan 1998 22:27:25 -0500 (EST)
>Reply-To: w6toy@pop.erols.com
>From: bruce muscolino <w6toy@pop.erols.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: RG174 versus balanced feeder
>
>>
>>about using a random wire antler with it - just plug
>>the wire in the "hot" side of the balanced feed connector
>>and the counterpoise into the ground side.
>>
>Let me say if you've never used an end fed wire you ought to try one.
I
>have used all manner of antennas in the last 42 years. The first one
was an
>end fed wire that turned the plate of my DX-35's 6146 a lovely shade of
red!
>Then came a Windom, a rotatable Dipole, verticals, and, of course,
random
>short wires.
>
>The normal antenna here at the TOY House is an end fed wire about 200
feet
>long. This counts the part that slopes up to the flat top and the part
that
>hangs down the tree trunk at the other end! I have a counterpoise of
about
>30 feet hanging out another window.
>
>Does it work?
>
>I made just about 200 QSOs in this last year's sweepstakes. I worked
about

>69 or 70 sections. The greater majority of those QSOs were made on 80
>meters, including most of the West Coast sections. Not awfully bad for
a
>\$15.00 antenna I put up in a day. (The \$15.00 includes the wire, the
>fishing line, and the weights, plus a suitable amount of depreciation
for my
>Whammo slingshot!)

>
>I use a Johnson Matchbox these days and an MFJ Artificial Ground for
the
>counterpoise. But, I have used simpler MFJ tuners as well. The rig
was a
>Kenwood TS130V running just slightly under 5 watts output.

>
>Before I was blessed with a house and a backyard I lived in a condo
with my
>mother. The first time I operated there I used a TS520 and 15 feet of
wire
>laying on the floor of my bedroom! I made QSOs up and down the East
Coast
>with that setup on 80 Meters! I later developed my famous "Stealth"
antenna
>(see QST, July 1995) in that condo. This was an end fed hunk of magnet
wire
>launched into a nearby tree and replaced as required to feed Mother
Nature!
>Again, I used a counterpoise; at first fixed lengths run under the rug,
and
>later tuned with the Artificial Ground.

>
>They work. They Work. THEY WORK. They're also simple and easy to
erect.
>Many times you'll only have to hold the far end up off the ground.

>
>Try one -- I guarantee you'll like it!

>
>73
>
>
>

One thing to try is to make the wire a multiple of 1/2 wavelength at the
frequency of use. This will minimise the effect of a poor counterpoise.
I have used this type of antenna many times including a kite supported
version.always had best results when it was voltage fed which is the
reason for making it a multiple of 1/2 wavelength.

Build and enjoy

Ray

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 17 Jan 1998 00:41:20 -0500 (EST)
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
To: qrp forum <qrp-1@Lehigh.EDU>
Cc: Danny Gingell <k3tks@abs.net>, Bruce Muscolino <w6toy@erols.com>, Scott Rosenfeld <ham@w3eax.umd.edu>
Subject: [1181] QRP supper in Laurel, MD/22 Jan
Message-ID: <Pine.BSI.3.96.980117003655.23052H-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

KD4BTH is coming to the Laurel, Md area next week and we'll be meeting him for supper. The date will be 22 Jan, Thursday, at 1900 hours at the Olive Garden in Laurel, on Route 1, right across Cherry Lane from the Laurel Mall. (This is a frequent location of Maryland Milliwatt out-of-town-QRPer suppers.) Anyone in the area who is interested is invited to attend. As usual, bring along any QRP goodies for show and tell. (Laurel is about halfway between Washington DC and Baltimore. Or Bal'mer, if you're actually from there!)

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

Date: Fri, 16 Jan 1998 23:21:38 -0600
From: Rod Logsdon <bike4life@bikerider.com>
To: Peter_Simpson@3com.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1182] Re: Military NVIS antenna - crossed inverted vees?
Message-ID: <34C03FE2.BB80543F@bikerider.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----62C2DB4AB0A89F4760157A4B"

This is a multi-part message in MIME format.

-----62C2DB4AB0A89F4760157A4B

Content-Type: text/plain; charset=iso-8859-1

Content-Transfer-Encoding: 8bit

Peter:

The first antenna I ever used when I got my license was a very similar "system". It consisted of a 10' section of 2" PVC with a Van Gordon Engineering "High Q" balun mounted at the top. Wired to the balun was a 10 meter and a 15 meter inverted vee with dogbone insulators at the ends of the radiators. The antenna stood on the roof of my storage shed and the radiators also acted as guys. The mount was a Radio Shack roof peak mount. The top apex of the vee's was about 19' above ground. The RG-213 ran down the inside of the PVC and exited through a hole about 1' up from the bottom then into the shack where it connected to an MFJ-949 tuner which fed a Kenwood TS-520SE. I used this antenna for about 4 months before putting up a tri-bander. My first contact was a KP4 on 20 meters (I'm near Chicago) and I worked a lot of European, Caribbean and South American stations with this antenna. Not bad for \$25.00 worth of parts.

73 ... Rod
WK9T

Peter_Simpson@3com.com wrote:

>
> QRP related -- really!
>
> Fair Radio has for sale, and I'm curious about how it's wired (but
> not \$150 curious), a AS-2259/GR NVIS antenna. It looks a lot like
> a pair of crossed inverted vees. Four radiating elements, which
> double as guys, attached to the top of a mast which doubles as a
> coaxial feedline (a center conductor runs up inside the mast). The
> feedline attaches at the base of the mast and runs to the radio.
>
> Anyone know how this thing is wired? Specifically, what goes on
> at the top of the mast, where it connects to the four elements?
>
> Looks like a neat idea for a portable omni antenna (about 15
> feet high from the picture, I'd guess). I'd like to kluge a
> similar design together and see how it works. Be great for those
> guys who don't have trees at their campsite :-)
>
> 72,
> Peter, KA1AXY

--

-----62C2DB4AB0A89F4760157A4B

Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"

Content-Transfer-Encoding: 7bit

Content-Description: Card for Rod Logsdon

Content-Disposition: attachment; filename="vcard.vcf"

begin: vcard
fn: Rod Logsdon
n: Logsdon;Rod
email;internet: bike4life@bikerider.com
x-mozilla-cpt: ;0
x-mozilla-html: TRUE
version: 2.1
end: vcard

-----62C2DB4AB0A89F4760157A4B--

Date: Fri, 16 Jan 1998 18:36:13 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Peter_Simpson@3com.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1183] Re: Extruded enclosures
Message-ID: <wfpYBHAdi6v0Ew2w@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <8525658E.00621184.00@hqoutbound.ops.3com.com>, Peter_Simpson@3com.com writes
>Bob has discovered extruded enclosures. I have a bunch
>(also from old modems), and they seem to be custom made, because
>I have never been able to find out where to buy them in small
>quantities. But, recycling used enclosures is sure cheaper
>than buying new ones, and environmentally good, as well!
>
>There are two types, one, the "Hayes" type, is designed for snap-in
>front and rear plastic panels and is not the kind you want. The kind
>you want is designed for metal panels held on by two or four self
>tapping screws. I got a real nice one which used to be a printer buffer
>enclosure (remember those?) and is about 4" high and 8" deep. The neat
>thing about it is that you can slice off the depth you need with a
>power miter box (carefully). The channels for the screws run the
>length of the box, so wherever you cut, you get four screw holes!
>
>Anyway, if anyone knows a company that makes these things, please
>share the info. You can see an example of what I'm talking about on
>my web page <<http://www.geocities.com/CapeCanaveral/1862/kalaxy.htm>>.
>This particular box is not aluminum, but some kind of zinc or white

>metal casting. It's horribly heavy, but perfectly shielded.

Maplin and Cirkit, in the UK, sell a range of extruded cases. They are made of aluminium. Very useful.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system - schematic and software.

Date: Tue, 13 Jan 1998 05:41:08 -0400 (AST)
From: wp4jxd@prtc.net (wp4jxd)
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1184] Re: It's Official
Message-ID: <Pine.LNX.3.95.980113051620.720A-100000@pentagon>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey, if a dog can copy morse, maybe I can get my cockatiel to call CQ QRP!

Regards,

Pablo Luis

Pablo Luis Robles "QRP signals aren't hard to copy you
e-mail: wp4jxd@prtc.net should just increase the volume"

HOME PAGE: <http://www.geocities.com/capecanaveral/hangar/3613>

Date: Fri, 16 Jan 1998 23:30:11 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: wp4jxd@prtc.net (wp4jxd)
Cc: qrp-1@Lehigh.EDU

Subject: [1185] Re: It's Official
Message-ID: <199801170629.XAA02121@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Pablo--

>>Hey, if a dog can copy morse, maybe I can get my
cockatiel to call CQ QRP!
<<

I'd say there's a pretty good chance, although I don't have much
experience with cockatiels. Cockatoos, now, they'll call anything
you want. Had one next door to us in Australia that would... wait
for it... call the dog!

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Sat, 17 Jan 1998 01:36:19 EST
From: Shepherd <Shepherd@aol.com>
To: mgemm@mtechnologies.com, qrp-1@Lehigh.EDU
Subject: [1186] Re: It's Official
Message-ID: <52a8e2d0.34c05166@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Marshall,
This is great, now you need to spread this around a few of your local
repeaters. If you can teach your dog code, you might just be able to teach
some of the 2 meter junkies code. :-)

(This is just humor, I'm not poking fun at anyone)

73's
Dan, N8VZU

On Tue, 13 Jan 1998 05:41:08 -0400 (AST), you typed:

I share my home with several (15) birds, from Macaws to canaries. I do have 2 Cockatiels, but they aren't much for learning the code. My African Greys, however, can mimic ANYTHING! I keep them away from the radio when listening on 75 SSB!=20

Peter, KA1AXY is right on the money about the plastic modem boxes being

good value. At Dayton last year, that big red tent also had brand new, metal boxed, printer "T" switches for 2 dollars. Solid things they were too. With boxes this cheap you can't help wonder why anyone ever buys new (regular) ones for significantly more.

When I returned home from Dayton I showed my booty to the wife. "So you spent 500 quid on air fare and hotels to save a tenner on a metal box eh?".

They don't understand do they?

72

Tony - G4WIF

p.s. Dayton 1996 was a "once in a lifetime trip". Graham G3MFJ & I will therefore be making our 3rd "once in a lifetime trip" this year. - can't wait!

Date: Fri, 16 Jan 1998 09:44:56 -0800
From: "Frank A. West" <ke6vhm@earthlink.net>
To: <jeverhar@camden.lmco.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [1189] Re: What CW tone do you prefer?
Message-ID: <199801170912.BAA05779@denmark.it.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have found it very beneficial to be able to vary the pitch to pull out the tuff ones. That of course has nothing to do with preference. I prefer a low tone, around 500Hz. That was the Original question right? All the rest might just be classified a techno babble

2c de Frank 72

Date: Sat, 17 Jan 1998 07:48:21 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [1190] Explanation of \$22 QRP banquet price
Message-ID: <Pine.LNX.3.95.980117074233.5902A-100000@w3eax.umd.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Concern has been expressed.

Last year's banquet, if I remember right, was \$14 or \$15. Let's say it was \$14 for argument's sake.

Why is it different this time through? Same caterer, same banquet hall...

- 1) They (Kohler) raised their food prices
- 2) Days Inn/Kohler is charging considerably more for the banquet hall
- 3) Given this...

One main course with one salad, two veggies, and a sheet cake would be \$18 per person.

Three main courses (including hot carved ones), two salads, and two veggies plus a variety of desserts is \$22.

The increase would thus be either \$4 or \$8, and the difference between the two choices is quite small considering the difference in the menus. To me it's almost a no-brainer, which is good since that's slightly less gray matter than I've got to spare these days :)

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Sat, 17 Jan 1998 02:44:05 -0600
From: k5gq@juno.com (C M Tyler)
To: we6w@qsl.net
Cc: qrp-l@Lehigh.EDU
Subject: [1191] Mechanical Filters: HOW TO BUILD?
Message-ID: <19980117.063339.3430.8.k5gq@juno.com>

I have built an interdigital filter for 70cm. Works GREAT. The filter consists of 5 aluminum tubes in a aluminum box. Cost was not cheap. About \$200 if all the parts are done at a machine shop.

The plans were in Ham Radio some years ago. The article suggested using copper tubing and pc boards. I used aluminum.

The basic program calculating the dimensions from the Ham Radio article,

I will be glad to share for those interested.

Mark Tyler
K5GQ/m Houston TX
QRP-L 794 ARRL VE since 85

Date: Sat, 17 Jan 1998 07:57:48 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [1192] something old, something new
Message-ID: <Pine.SOL.3.94.980117075221.5268H-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thinking it might be useful to someone, I have placed the talk I did two years ago at Dayton (and again at 1997 Huntsville) on line. It's called "An Overview of Small Beams" and gives a summary look at loading methods in practical terms. In a way, it sort of summarizes some of the things I've done in the Communications Quarterly series, with 10 meter examples I have built (in contrast to the computer study in 5 parts on 2-element beams). Unfortunately, a number of sketches were done on the first CAD program I had, which does not permit really clear transfer to the .GIF format, so I repeated critical dimensions in the text. I also further subdivided the list of articles on the main page to make things easier to find.

Hope the new item is useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	\	\		cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html							

Date: Sat, 17 Jan 1998 07:58:21 -0500
From: K4AHK@ix.netcom.com
To: torell@sicom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1193] Re: Military NVIS antenna - crossed inverted vees?
Message-ID: <34C0AAE7.1FB4@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have had one of these military antennas for a couple of years but have never used it. It is missing the bottom connection gizmo. It seems that there are a lot of these antennas around that do not have the connector. If anyone comes up with info on how to make one, I would surely like to see it.

Bill - K4AHK

Date: Sat, 17 Jan 1998 08:32:48 -0500
From: "Jonathan C. Mordosky" <mordosky@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1194] Frequency Calibration?
Message-ID: <34C0B2FF.16920DF0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

Recently purchased a 40 meter, OHR-100a kit and starting the building process. I am a relatively new ham and just getting into QRP. Have a good electronics background and have successfully built many kits/projects over the years. My rig is a Heathkit HW-9. I also do not have a good general coverage receiver capable of receiving the WWV broadcasts.

Building the OHR-100a requires a frequency counter for alignment. Purchased two Heathkit IM-4100 frequency counters at a computer show and flea market. Now for the problem. What can be used to calibrate the frequency counters? One Heathkit calibrating procedure calls for a accurate Laboratory Standard between 1 and 30 Mhz with a 250 mV to 500 mV output.

Was wondering if there are any good plans/kits/articles/circuit boards available to build a laboratory type frequency standard? Any other ideas or recommendations?

I understand this topic is not 100% QRP related and please excuse if I have offend anyone. Thought perhaps others in the group may have solved a similar problem in their attempts to build and calibrate transceiver projects.

Thank you in advance,
Jon N3ZIL

My e-mail address is:
mordosky@erols.com

Date: Sat, 17 Jan 1998 08:45:53 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: John Sielke <n4js@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1195] Re: It's Official
Message-ID: <Pine.GS0.3.96.980117084511.21918A-100000@hercules.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My Cat has been stuck at 13WPM and is getting depressed. He just sleeps most days.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

On Sat, 17 Jan 1998, John Sielke wrote:

> On Tue, 13 Jan 1998 05:41:08 -0400 (AST), you typed:
>
> >Hey, if a dog can copy morse, maybe I can get my cockatiel to call CQ QRP!

> >
> >Regards,
> >
>
> I share my home with several (15) birds, from Macaws to canaries. I do
> have 2 Cockatiels, but they aren't much for learning the code. My
> African Greys, however, can mimic ANYTHING! I keep them away from the
> radio when listening on 75 SSB!
>
>
>
> /_ \ /_ \ /_ \ /_ \ John L. Sielke n4js@pobox.com n4js@qsl.net
> (N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
> _ / _ / _ / _ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
> G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781
>
>

Date: Sat, 17 Jan 1998 08:55:10 EST
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [1196] outback make-do antennas
Message-ID: <1e9d308d.34c0b840@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

And then there was the time we backpacked into some 80 foot tall Mississippi virgin pines...forgot my antenna...remembered QST "Army Antenna" Article of 1950's...had to make do with using a couple of rusty nails with rust scraped off...loaded up the evergreen pines...tuned pinetree antenna by sawing off lower limbs to lessen ground effect capacity and to create directivity and gain...and worked US and DX stations alike. Worked like you wouldn't believe. But that's another story
Bill, K5BDZ

Date: Sat, 17 Jan 1998 07:45:00 -0700 (MST)
From: ki7mn@dancris.com
To: af852@rgfn.epcc.Edu
Cc: qrp-1@Lehigh.EDU
Subject: [1197] Re: [v31xe@dzn.com: Re: QRP vs Digital on 14.060]
Message-ID: <199801171445.HAA16132@user2.dancris.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:50 PM 1/16/98 MST, you wrote:

> I considered another letter to ARRL putting forth
> the problem but since the last two or three went unnoticed,
> decided not to waste the time.

Maybe well-worded letters from several of us would at least get a better look....might even get some of them published.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30
<http://www.dancris.com/~ki7mn>

Date: Sat, 17 Jan 1998 07:02:18 PST
From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [1198] Re: It's Official
Message-ID: <19980117150219.10801.qmail@hotmail.com>
Content-Type: text/plain

I had a parakeet that could whistle "cq dx" in the late 70's. Your bird should be able to, as well.
72/73 Ray

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 17 Jan 1998 10:35:21 -0500
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1199] Re: It's Official
Message-ID: <34C0CFB9.8EA3EB03@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marshall Emm wrote:

> Mighty Samson, the QRP Dog, can copy Morse Code....

J. Skalski wrote:

> My Cat has been stuck at 13WPM ...

Bentley is Lucy's (the beagle) elmer.
She's theory challenged, in particular, DC solar
charging and specific gravity of battery juice.

see 3rd pix: http://ns1.qsl.net/w4ed/rbe_qrp.htm

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```
      /|
     / |
    /  | \
   /| / E | \
  /_|/____|__\
 [\-----/
```

Date: Sat, 17 Jan 1998 10:27:06 EST
From: KF4EIB <KF4EIB@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1200] Oh Woe, Woe is me !!!
Message-ID: <927c7023.34c0cdcd@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

Horrors of all horrors, my favorite places file has been totally deleted ! ?
!

I tried all I know to recover said items of joy....no soap.

If I may, over a period of time, I would like to ask of the list to help me
recover some of the places I really enjoyed.

May I start with the web address of:

1. Emtech Kits (I'm building a NW40)
2. Embedded Research
3. NorCal

These are ones I look to see what's new on a regular basis.

If anyone out there has other sites that they deem really neat, feel free to
post to me, by my e-mail address if you like.

Again, I will ask of the list sites I remember at various times.

Thanks to all in advance.

72 / 73,
Gordon kf4eib

Date: Sat, 17 Jan 1998 10:34:43 EST
From: kt3a@juno.com
To: K5BDZ@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [1201] Re: outback make-do antennas
Message-ID: <19980117.102527.5415.16.kt3a@juno.com>

Yes Bill, the ultimate STEALTH antenna!
It still appears in the "Field Guides" of the military.
What tuner did you use?
I still have to try loading the iron bridge not far from here.
It is low on my list of things to do. ;-)

Cameron C.R. Bailey <>< KT3A, QRP-L #7
QRP-ARCI Board of Directors Member
QRP Society of Central Pennsylvania
Mount Wolf, PA
kt3a@juno.com

Date: Sat, 17 Jan 1998 10:34:43 EST
From: kt3a@juno.com
To: K4AHK@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [1202] Re: Military NVIS antenna - crossed inverted vees?
Message-ID: <19980117.102526.5415.14.kt3a@juno.com>

The antenna is similiar to the broadband dipole made by B&W in that it is broadband. The end device is a resistor. I don't remember the value, but I can research it if someone really needs to know. The NVIS function is due to the close proximity to earth.

Also, there is a neat antenna made for the lower bands, 80m and below that is tactical in nature and only 1 foot off the earth. I can believe this was made just for military opearations too. It looks like a giant bow tie with 3 elements configured as a folded dipole.
It would make a nice tripping hazard for the wayward field day op, who is groggy from hours of operating. Hi.

72,
Cameron C.R. Bailey <>< KT3A, QRP-L #7
QRP-ARCI Board of Directors Member
QRP Society of Central Pennsylvania
Mount Wolf, PA
kt3a@juno.com

On Sat, 17 Jan 1998 07:58:21 -0500 K4AHK@ix.netcom.com writes:
>I have had one of these military antennas for a couple of years but
>have
>never used it. It is missing the bottom connection gizmo. It seems
>that there are a lot of these antennas around that do not have the
>connector. If anyone comes up with info on how to make one, I would
>surely like to see it.
>
>Bill - K4AHK
>
>

Date: Sat, 17 Jan 1998 08:51:38 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: kf2ph@bnl.gov
Cc: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [1203] Re: Dog Sled QRP DXpedition
Message-ID: <34C0D386.5172@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Nick,

I thought I heard the Dog Sled Team (AA2QO) on 3786 just after 2100z last nite. But the signal was fading in and out of my noise floor (which is about S1 here) so as to make it impossible to be sure... I'd say he was Q1... maybe. But it was still fun trying to see if we could hear 'em. How many nights are they out for Nick? Are they tenting or snow caving? Were they both on a seperate sleds (2 sleds total)? How many dogs? What do they feed 'em. I'm just curious as I'm planning a snow trip soon myself. I'm always interested in some one else's experiences.

I'll be there again tonite...Steve.

Nick Franco wrote:

>
> Hi Gang,

>
> Happy New Year to you all.
>
> My friend Mike - AA2Q0 and his friend George - KB2 something are hiking
> into the deep snow covered woods as I write this. They have a few
> Alaskan Malamutes (sp?) pulling the sleds with their supplies and
> tenting and, of course QRP gear. Mike borrowed my NW-40, and my dual
> band Pixie2, a 6ah gel battery, an external TiCK keyer (in an Altoids
> box, of course), and took his own 38 Special. I gave him a thin wire
> antenna for 30 and 40 meters and he's bringing two extensions for using
> it on 80 meters with clip leads. The antenna (a resonant dipole) will
> not be used with any tuner so I think their band width especially on 80
> will be limited (but they only have the Pixie2 for 80 meters and will
> rely on crystals anyway).
>
> I have a sked with them (at least AA2Q0) each night at 11:00 EST or
> 0400Z on 80 meters. We will start on the 3.686 freq and switch to 3.579
> after 10 minutes of trying and then back again. Please join in if you
> hear them. I may not be able to copy them or visa versa. If you hear
> the struggle you may want to jump in there and give an assist by acting
> as a go-between. Or just jump in and we'll make it a round robin or
> maybe even a net :-). They will be doing their own FYBO from a tent in
> the woods of upstate NY or NJ.
>
> BTW: I'm on digest mode here so if you have any questions or comments
> about this, please reply directly and not via the list cuz I won't
> receive your post until tomorrow. Let's make them feel successful and
> not alone out there. In the event of an emergency, this is their only
> means of communication along with a 2m HT on 146.52 and a rubber duck.
>
> Hope to hear some of you tonight at 0400z.
>
> 72
> Nick - KF2PH
> QRP-L # 13 . .
>
> --
> Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
> Systems Administrator RHIC Project Building 1005
> Tel: (516) 344-5467 UPTON, NY 11973-5000
> Fax: (516) 344-3674 Ham Call: KF2PH
> Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

--
CUL Steve/n0tu . .
Solar powered QRP/CW
"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Sat, 17 Jan 1998 09:54:31 -0500
From: "N4ELM" <n4elm@ipass.net>
To: <qrp-1@Lehigh.EDU>
Subject: [1204] FS: QRP Stuff
Message-ID: <199801171559.KAA10899@earth.ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

QRP Stuff For Sale:

MFJ-9020 20 Meter CW transceiver
with optional audio filter and keyer modules and manual
\$140.00 obo + shipping

Not exactly QRP:

Johnson 275 watt Matchbox
link type antenna tuner for matching balanced line or wires.
80 - 10 Meters (will also tune the WARC bands on my antenna).
Has Johnson's mod for matching to coax.
Antenna relay has been previously removed.
In the past, the main inductor went through "melt-down" and was repaired.
Looks ugly but works fine, no problems with 100 watts on all bands.
The Wire terminal was replaced with a S0-239 and an extra S0-239 mounted
for the Coax connector.
Otherwise in good condition with some scratches, front panel lettering is
OK.
\$50.00 + shipping

Complete Lowe HF-150 Shortwave Station.
\$1200.00 E-mail for details.

73 - Dave, N4ELM
(If more than two constitutes a collection,
then my basement must be a museum.)

Date: Sat, 17 Jan 1998 09:57:35 -0500
From: "N4ELM" <n4elm@ipass.net>
To: <qrp-1@Lehigh.EDU>
Subject: [1205] WTB: 80 Meter module for Sierra
Message-ID: <199801171600.LAA10960@earth.ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Looking for 80 Meter Module for the Wilderness Sierra.
It can be built or unbuilt.

Would be interested in swapping an unbuilt 12 Meter module for it or cash.

73 - Dave, N4ELM.

Date: Sat, 17 Jan 1998 11:00:47 EST
From: kf2ew@juno.com (David M Kopacki, Sr.)
To: kory@avatar.com
Cc: qrp-1@Lehigh.EDU
Subject: [1206] Re: Sierra Blue / Sierra Mods
Message-ID: <19980117.104730.3215.1.kf2ew@juno.com>

The Iris Blue, although the cap on the can is a near perfect match, does not dry to the same light blue cover as the front of the Sierra. There is also a Krylon paint which matches perfectly (the cap, that is) but dries to a color worse than the Iris Blue. The Iris Blue was the closest that I could find, and I'm using it.

Mike Kopacki, KF2EW

On Thu, 15 Jan 1998 11:12:02 -0700 Kory Hamzeh <kory@avatar.com> writes:
>At 07:40 AM 1/15/98 -0500, Derek Brown wrote:
>>Gang,
>>
>>I plan to build some "accessories" (i.e. NorCal paddle) for my
>Sierra.
>> Has anyone come up with a paint color (preferably in a spray can)
>>which closely matches the dark blue cabinet on the Wilderness Radio
>>Sierra (not the light blue panel color)? If so, what brand & color?
>>
>
>Hi Derek,
>
>This is what QRPBob told me:

>
> Rustoleum - American Accents
> Satin Finish - All Purpose Enamel
> Midnight Blue #7943
> Iris Blue #7933
>
>Good luck!
>
>Kory
>AC6RN
>
>
>

Date: Sat, 17 Jan 1998 11:00:47 EST
From: kf2ew@juno.com (David M Kopacki, Sr.)
To: DBrown@RFMD.com
Cc: qrp-1@Lehigh.EDU
Subject: [1207] Re: Sierra Blue / Sierra Mods
Message-ID: <19980117.104730.3215.0.kf2ew@juno.com>

Derek,
Bob, at Wilderness Radio, advised me that when he sent the specs out to the manufacturer of the enclosure, that he sent a case painted with spray Krylon colors. I found two closely matching colors, although the light blue turned out to be quite different. The dark blue is real close. It is Krylon Interior / Exterior, Regal Blue, #1901. And yes, I am almost finished my Norcal paddles using the same paint scheme. I also finished the AT-11 automatic antenna tuner using the same colors.

Bob, at Wilderness, also told me that they were aware of the SM cap mod. However, he said that they tightened up the tolerance on the disk caps that the kit calls for and that improved the performance. I used the ones supplied with the kit. I did not use any SM caps. I replaced the final. I added the transformer recommended by Wilderness and my power output exceeds anything I have seen so far published. Credit goes to Clark Fishman, WA2UNN, for making this all possible. Anyway, I don't think you really need to change the CAPS.

Mike Kopacki,
KF2EW

On Thu, 15 Jan 1998 07:40:03 -0500 Derek Brown <DBrown@RFMD.com> writes:
>Gang,
>
>I plan to build some "accessories" (i.e. NorCal paddle) for my Sierra.

>
> Has anyone come up with a paint color (preferably in a spray can)
> which closely matches the dark blue cabinet on the Wilderness Radio
> Sierra (not the light blue panel color)? If so, what brand & color?
>
> Also, if you've completed the Sierra Mods (by Bob Follett, AB7ST)
> found on the G3YCC Ham Radio Pages, where did you acquire the small
> size SM caps (some of the values are quite large)?
>
> Derek Brown, WF4I
> Greensboro, NC
> dbrown@rfmd.com
>
>
>
>

Date: Sat, 17 Jan 1998 11:22:35 -0500
From: "Ronald Hands" <rhands@hwcen.org>
To: <qrp-1@Lehigh.EDU>
Subject: [1208] Re: It's Official
Message-ID: <199801171629.LAA04386@hwcen.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

You wrote:

>. He can't read yet, but we're working on it. First I want
> to I teach him to copy 24 more letters.
>

Just what we need ... more competition in the Fox hunt. And from a
creature with hearing that's 18 times more acute than ours.

-- Ron VE3SP

Date: Sat, 17 Jan 1998 08:44:38 -0800
From: Rich Wilkerson <richqrp@home.com>
To: KF4EIB@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1209] Re: Oh Woe, Woe is me !!!
Message-ID: <34C0DFF6.3298FA89@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KF4EIB wrote:

> If I may, over a period of time, I would like to ask of the list to help me
> recover some of the places I really enjoyed.
> May I start with the web address of:
> 1. Emtech Kits (I'm building a NW40)
> 2. Embedded Research
> 3. NorCal

This will be your "one-stop" shopping list.

www.fix.net/%7ejparker/norcal/links/website1.html

--

Rich Wilkerson
WD6FDD, Santee, Ca.
72's, 73's

Date: Sat, 17 Jan 1998 11:46:45 -0500
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [1210] Think before you quote!
Message-ID: <199801171147_MC2-2FA1-EB48@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Guys,

Here we go again-----Last digest contained a real smackeroo of a postin=
g,
after FOUR WORDS of answer and an e-mail address there were no less than

THIRTY-FIVE lines of quotation of previous posting which included a quotation of a quoted message, a quotation of a quotation of a quoted message, and yes! you've guessed it, a quotation of a quotation of a quotation of a quoted message. Now where did I put those addresses for Guinness and Ripley's??????

Seriously folks, every time you do this you add to your own costs for telephone time in sending the posting, and obviously you add to the download time (and more telephone time) for the person receiving the e-mail, and the costs of everyone on the list who downloads the list in DIGEST form.

If you use the reply button, then the original sender asking a question doesn't need a re-quote of his post, and the rest of us can see his message in digest form, or in archive! =

Do you need to quote at all? Probably not in 99p.c. of cases. Most replies will be covered by the subject entry.

Great list, just needs some discipline! Line up please.

72 & 73 de Mel
GM6JAG
EDINBURGH, Scotland UK
Home of the last HW9

Date: Sat, 17 Jan 1998 12:16:34
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [1211] WWVB Rx
Message-ID: <3.0.3.16.19980117121634.2cbfc62a@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy all,

Thought I'd give a report on my WWVB receiver efforts.

Thier a lot harder to hear here in the North East than one might expect. A simple loop stick antenna just didn't cut it at all. Had to go with a sheilded loop to get anything.

Also didn't get anywhere with a TRF receiver design. Just got many mv's of noise. I was finally able to see the signal with a super het Rx. The signal was still pretty noisy, but at least I was able to see the time stamp modulation.

The loop consists of 60 turns about 2.5 ft across. It took about 780 pfd to resonate it at 60 KHz. I used "aluminum repair tape" for the shield. This is a fairly heavy duty aluminum foil with sticky back, found at the hardware store. I had to use four strips to cover the loop. The foil wouldn't conduct through the sticky back, so wrapped some bare wire around the junctions at the corners to ensure conductivity and attach the ground wire to the aluminum. (It's square loop, made on a wooden cross with nails on the corners to hold the wire)

I used two jfets to buffer the loop to keep it balanced. A high speed op amp sums the output of the jfets to provide a single ended output. Keeping the input balanced was important to reduce or eliminate 60 Hz pick up and other common mode noise. The op amp has a gain of one. That is followed by another op amp configured as a 60 KHz band pass filter, with a Q of 5 and a gain of 5.

The output of the band pass filter goes to a NE602 and converted to an IF of 96 KHz. I happened to have an old Collins 96 KHz xtal filter with a 200 Hz bandwidth, so used that. For test purposes, I used my DDS VFO for the LO at 156 KHz. The IF amp is an MC1350.

Late at night I see about a 200 mv signal from the IF amp with the 50 % amplitude shift for time info. The signal is about half that during the day.

I see in the Digi-Key catalog, you can get a 36 KHz xtal and 96 KHz xtals, so the 36 KHz one could be used for the LO and a 96 KHz filter made from the 96 KHz ones.

A friend is sending me some 7 mhy cup cores, so will try to make a tuned input filter with those and see if it helps clean up the signal.

Boy, a lot of work just to know what time it is and haven't even gotten to decoding the signal yet.

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 17 Jan 1998 11:49:51 -0500

From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [1212] Trees as antennas & other silliness
Message-ID: <19980117.115539.4894.1.nilsbull@juno.com>

Gang,

Some many years ago, there was a marvelously serious radio magazine called "Ham Radio." Best damn thing ever happened to me was subscribing up front, when it was barely a year old. One of the things that magazine used to have was serious discussion of antenna topics. The yearly antenna issue was one of the most informative things I've ever read on radiators . . . other than having to fix my Austin-Healy Sprite II radiator a couple times.

One issue had a picture of a sort of pipe-and-hinge toroid that was parked around the trunk of a tree. I believe it was a deciduous model. Anyway, the bit was that the loading coil & tree trick was an experimental deal that the military was looking to use in places where wire would be a sure-fire target point for incoming.

Then, earlier than that, I remember as a kid putting a knife blade in the side of a huge ol' maple behind my folks' house in Kettering, OH. I hooked one of my crystal sets to the knife blade and listened to the local stations. Amazed me.

Now . . . there's these trees in the neighbor's back yard . . . Hmmm. . .

73

Nils

WB8IJN &c

. . . what are the chances that it'd work as good if not better than the gutter-downspout radiator that I use to tear up the other electronic toys in the house . . . like the time I killed the KitchenAid mixer that Cindy'd had only for four days . . .

Date: Sat, 17 Jan 1998 09:51:36 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1213] Easy ladder-line tuning
Message-ID: <34C0EFA8.4D9EE9D@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W4RNL (I think) has discussed making all-band antennas fed with open-wire or ladder line with strategically placed capacitors. I applied this principle in a slightly different way: I use a 40-meter dipole fed with ladder line on all bands 80-10 meters. I tune it with a Johnson Matchbox. I found it kind of tricky to prune the line length so it would be within range of the matchbox on all 8 bands. Also, I ended up with extra open-wire line hanging in the shack. I found that by folding a piece of aluminum foil about 6" long and wrapping it on the ladder line I could easily add capacitance anywhere along the line that I could reach! This is super easy and enables me to have a neat installation with all bands tuning up nicely. Just thought someone might find this useful.

Another antenna note: the book "Antennas and Techniques for Low-Band DXing" by John DeVoldere ON4UN, is an absolutely GREAT! I now understand why I didn't notice any difference between horizontal and vertical polarization on my loop antenna (poor ground in the Fresnel zone) and many other things. Get this book if you like antennas (and other stuff)! Published by ARRL.

Vic K2VCO

Date: Sat, 17 Jan 1998 10:54:48 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [1214] FS:OHR: 30M Explorer II, SCAF
Message-ID: <34C0F068.7FF9@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a 30 meter OHR Explorer II for sale. Works as spec'd!
Front panel near perfect few wear marks on top of black case.
w/manual shipped @ \$85.

Also OHR SCAF SCF-1A very nice CW filter...Mint \$45/shipped.

Steve/n0tu . . .
email:N0TU@webaccess.net

Date: Sat, 17 Jan 1998 13:08:19 -0500
From: "Paul Christensen" <paulc@mediaone.net>
To: <KF4EIB@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1215] Re: Oh Woe, Woe is me !!!
Message-ID: <003401bd2372\$e475a100\$4d2c8118@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gordon:

Don't despair! Start here....

<http://www.fix.net/~jparker/norcal/links/supplylinks.htm>

-Paul, W9AC

Date: Sat, 17 Jan 1998 11:11:40 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Shepherd <Shepherd@aol.com>
Cc: qrp-l@Lehigh.EDU
Subject: [1216] Re: It's Official
Message-ID: <199801171810.LAA09878@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>of your local repeaters. If you can teach your dog code,
you might just be able to teach some of the 2 meter
junkies code. :-)

(This is just humor, I'm not poking fun at anyone)
<<

As you probably know, I sell Codemaster V which guarantees results.
Lot's of guys need reassurance on that-- think they are tough cases
or something-- and a couple of times lately I have said "Listen-- my
damn DOG can copy Morse!"

Maybe I'll put Samson's picture on the cover of CM next time, but of course he didn't use the program to learn the code. He still has a lot of trouble with the keyboard and wants to eat the mouse.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

--

Date: Sat, 17 Jan 1998 13:11:01 -0500
From: "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [1217] Argo Module Mod for 29 Mhz
Message-ID: <3.0.32.19980117125138.0068b9fc@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For those who might be interested, here's a copy of the message I got off the TenTec reflector about modifying the TenTec Argo/Scout 10m module for satellite mode A. There are two crystals in the module; one covers 28-28.5Mhz, the other 28.5 - 29Mhz. A little careful work with a low wattage soldering iron(the crystals are soldered to the module's main board) is all should take.

QRP_and_satellites in one rig(well, you do need a 2m multi-mode for uplinks). Life is good.

72 de N8PVZ

=====

>Date: Mon, 12 Jan 1998 22:12:17 -0500
>From: Marc Pressman <mapn4dr@erols.com>
>Subject: Argo Module Mod for 29 Mhz

>I modified my module for the ten meter band by replacing the crystal in the module >with a 20.65600 Mhz crystal from Marden Electronics, 1-800-222-6093 32100 >Droster Ave, Burlington, WI 53105-0277. Be sure to tell them that it is for a Ten >Tec Argo/Scout...Cost in 1/96 was \$12.50

per crystal , minimum order \$25.00, and >a \$5.00 handling charge. You may be disappointed in the receive sensitivity, but a >small preamp will perk up your Argo very nicely.

>Marc A. Pressman, M.D.
>N4DR

=====

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@qsl.net <http://www.concentric.net/~n8pvz/>
We are QRP. Resistance is futile. You will be assimilated

Date: Sat, 17 Jan 1998 12:07:07 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [1218] QRP vs Digital
Message-ID: <017501bd2376\$0e82ad00\$86c9bfce@groucho>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob KI7MN writes:

>Maybe well-worded letters from several of us would at least get a better
>look....might even get some of them published.

Bob it correct, letters in numbers to QST will get one published, but are you sure the offending ops will read it? I think it would be more effective to write a very polite letter to the offender than to QST. Everyone reading this has a computer, for about two bucks you can make an adapter to connect your rig to you computer and tune in the offending signal, pickup the callsign and you know the rest.

I don't believe digital hams lay in wait just to pounce on QRP CW signals, although you might think that by some of the messages here.

I do believe that many digital hams don't know the subbands, that there transmission is 2 kHz lower, and that they should turn up there RF gain when they listen to see if there are weak sigs on the band. A well worded friendly letter explaining the problem, frequency and time it occurred will teach one

digital ham to be more careful, not bad for a few minutes and 32 cents. Who knows, he might even mention it to his friends.

The very worst thing you can do for QRP is to ignore it.

See this URL for Digital reception information
<http://www.accessone.com/~tmayhan/>

My two cents, 73 de Cla KA0GKC

Date: Sat, 17 Jan 1998 11:27:53 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"> <qrp-l@Lehigh.EDU>
Subject: [1219] Hamstick to Bugcatcher conversion...
Message-ID: <34C0F829.437F@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Found a hunk of coil stock in my junk..#16 wire, 2.5" Dia, 12tpi, and about 4" long...not sure of it's inductance value...maybe 50 uH?...but the Q has got to be "better" than the "dummyload" - 25'of #20...that I just peeled off of the fiberglass stick! My Question: is it OK to use/leave the #20 wire helical wound up to new coil stock (I've removed the old coil)or pull it straight and keep it short...I suspect the best solution would be to replace the fiberglase w/an aluminum mast to the base of the coil? Huh? But that means finding some aluminum and more adapters and the fiberglass is ready to use...Steve

--
CUL Steve/n0tu . .
Solar powered QRP/CW
"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Sat, 17 Jan 1998 13:44:53 -0500
From: "Heron, George" <G.Heron@dialogic.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: Doug Hendricks KI6DS <ki6ds@dpo1.k12.ca.us>

Subject: [1220] re: TunaTin2 Circad File
Message-ID: <DF8C9288E968D011A5950060972035B102BFB7BC@mailnj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi Doug -

The only way I could figure out to do this was to select PCX as the Plotter output mode, plot the schematic to a DOS file, then load the resultant file in via a standard image editor that handles PCX (like MS Paintbrush).

BUT, this only yielded a completely black image. The curious thing is that if the PCX file is loaded via Circad, it comes up on the screen just fine, so I'm guessing that either it's proprietary PCX format (albeit, oxymoronic), or that this is another way Holophase has crippled their demo version.

I have a call and email in to Holophase questioning how to do what you ask.

BTW, of course you know you can print out the schematic and then scan it in with a normal image scanner to get the required jpeg file. (I'd be happy to do this and email back the resultant jpeg file if it would help.)

Can you send me the Circad Tuna Tin schematic file?

Will let you know if I find anything out from Holophase.

Thanks & 72,

--George N2APB
g.heron@dialogic.com

=====
On Thu, 15 Jan 1998 Doug Hendricks wrote ...

I also need some help from the Web Gurus. How can I put the file on the web? I can save it as a DXF file (autocad) and have HiJack 95, but when I convert the DXF file to other formats it doesn't look good. Any suggestions out there?

Date: Sat, 17 Jan 1998 10:54:03 -0800 (PST)

From: Randy Foltz <rfoltz@wsunix.wsu.edu>
 To: qrp-l post <qrp-l@Lehigh.EDU>
 Subject: [1221] FOX ID corrected
 Message-ID: <Pine.0SF.3.95.980117105123.29521A-100000@unicorn.it.wsu.edu>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

Here is the corrected log. Just a few corrections

Time	Station	Sent	Rcvd	State	Name	Nr	Miles
0200	N5LU	559	559	OK	BILL	5W	1320
0201	AB5UA	559	559	OK	CLIF	478	1310
0203	N7IR	559	559	AZ	GARY	1330	970
0204	N7VE	559	559	AZ	DAN	5W	950
0206	N6MM	559	579	CA	HARVEY	318	870
0207	W0RW	559	579	CO	PAUL	2W	820
0208	W6SU	559	599	CA	JOHN	48	870
0210	W6ZH	559	579	CA	PETE	257	870
0211	N7KT	559	579	AZ	ROGER	62	960
0213	WB0T	559	579	IA	JERRY	1268	1050
0216	NQ7X	559	559	AZ	FLOYD	343	930
0217	WA9PWP	559	579	WI	PAUL	127	1380
0218	W0CH	559	559	MO	DAVE	618	1330
0220	AB7TT	559	559	AZ	JOE	191	980
0221	AA0ZZ	559	569	MN	CRAIG	1238	1130
0223	AF5Z	559	459	TX	BOB	984	1520
0224	KI7MN	559	339	AZ	BOB	271	970
0226	N5JI	559	559	TX	DICK	1054	1430
0228	K0EVZ	559	559	MN	DOC	861	1200
0229	W5FN	559	339	TX	TIM	586	1530
0231	WB4EXW	559	339	NC	WATSON	5W	2200
0233	AB7MY	559	569	AZ	GARY	571	970
0235	N7XJW	559	559	AZ	BERTIE	1259	970
0236	KA5T	559	449	TX	LARRY	89	1515
0239	N4ROA	559	449	VA	DAN	970	1890
0242	K5JHP	559	330	TX	BILL	825	1430
0244	AA5TA	559	339	TX	LARRY	1245	1180
0248	W5SB	559	559	TX	BILL	1289	1289
0301	K5FO	559	449	TX	CHUCK	1	1430
Changed rigs to Triton IV running 5 w							
0330	KU7Y	339	549	NV	RON	17	530
0341	K1MG	339	229	CA	MIKE	614	700
0346	N6WG	339	339	CA	BOB	26	690
0355	K06KA	339	449	CA	ROB	176	800
0357	WE6W	559	449	CA	ED	1068	900

72,
 Randy

AB7TK ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

Date: Sat, 17 Jan 1998 14:02:19 EST
From: KB9RPD <KB9RPD@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1222] Doug DeMaw
Message-ID: <fe249869.34c1003d@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, I must say, I must have struck a sore bone! Being a new ham (late October) I haven't had much experience nor have I "Been around the block". When I asked about Doug, I had just completed hours of reading the QST CDroms of their back issues from 1980-1989. I loved his articles! They were easy to understand, he always had neat ideas....etc. I wish I could have met him. I am sorry to hear about his loss...although I don't know a lot about Doug, I can tell from his writings he made a HUGE contribution to the hobby.

I hope I didn't ruffle too many feathers. I got a few few personal emails that asked me, "where in the h*ll have you been?", "don't you read", "I can't believe you haven't seen any news about Doug", etc. Well, as just a few months old newbie to the hobby, no, I didn't see anything nor was I familiar with Doug. I hope, though, that I can meet many people like Doug (I have started to on this group) and I hope that perhaps some day I will learn as much and contribute to the hobby just as Doug did.

Too bad a few people get ruffled about some things. I didn't appreciate some of the comments sent to me. nuff said, we can move on now. ;))))))

A few people couldn't believe I wanted to build the tuna tin! I say, "why not?"!!!! Every time someone told me I couldn't do something or that it was hard to do something a particular way...that was a challenge. Part of my nostalgic streak is due to my love for history. I am a Civil War reenactor and love living history and education. For me, part of the understanding, thrill, enjoyment, and satisfaction is to build basic, low cost, low power, experimental equipment to operate! Oh, I will probably buy the bigger stuff...when I can afford it and have somewhere to put an antenna. ;-)

73, Ted - KB9RPD

Date: Sat, 17 Jan 1998 14:17:58 -0500
From: "Paul Christensen" <paulc@mediaone.net>
To: <KB9RPD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1223] Re: Doug DeMaw
Message-ID: <00ab01bd237c\$9f77fe40\$4d2c8118@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Ted makes a good point: as new hams and those who subscribe to this reflector after a period of inactivity, they may not know of the passing of other hams, nor be completely knowledgeable of our current issues.

If we all knew all there is to know about SKs, QRP, or any other facet of amateur radio, we wouldn't need news groups, reflectors, or magazines.

-Paul, W9AC

Date: Sat, 17 Jan 1998 12:21:41 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <KB9RPD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1224] Re: Doug DeMaw
Message-ID: <03be01bd237d\$d3c921a0\$5122a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well Ted, if it's any comfort -- I didn't even know who Doug was, let alone he had passed away. Oh, I've been a ham for 20 years and have a life outside ham radio.

Keep coming back and don't be afraid to ask *any* question. Lots of great knowledge here -- and more good guys than jerks. I don't know which side I end up on sometimes. :-)

Congratulations (a little late) on joining the hobby.

72

Ron Smith

Amateur Radio Callsign: KD7VD
Boise, Idaho
E-mail: resmith@primenet.com
QRP-L #1291

Date: Sat, 17 Jan 1998 11:49:36 -0800 (PST)
From: kclark@ridgecrest.ca.us (K Clark)
To: qrp-l@Lehigh.EDU
Subject: [1225] QRPP Downsizing
Message-ID: <v01530503b0e64833eca2@[199.120.150.19]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ok Doug, I caught you! The size of QRPP is shrinking. Here are the heights of some issues for comparison:

June 1995	8+16/32 inches tall
Summer 1997	8+ 9/32 inches tall
Winter 1997	8+ 7/32 inches tall

There is a similar reduction in width.

When will it end? Can anyone predict the disappearance of QRPP?

Congratulations on another great issue. All your efforts are very much appreciated. Just don't let it disappear. I work for uncle sam and I know about downsizing! My QRPP and QRP Quarterly issues arrived with all their pages intact. Congrats to Ron also. But wait . . . that pretty QQ issue may be as tall as an old one from 1993, but I think it is slightly narrower. Not you too, Ron!

Anything to get the conspiracy theory guys off that thread on the internet/telephone charges!

72 & 73 Happy New Year to all!
Keith Clark W6SIY Ridgecrest, CA

Date: Sat, 17 Jan 1998 18:03:08 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: mordosky@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1226] Re: Frequency Calibration?
Message-ID: <a6GC4AAcJPw0Ew4+@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <34C0B2FF.16920DF0@erols.com>, "Jonathan C. Mordosky"
<mordosky@erols.com> writes

>Hi,

>

> Recently purchased a 40 meter, OHR-100a kit and starting the
>building process. I am a relatively new ham and just getting into QRP.
>Have a good electronics background and have successfully built many
>kits/projects over the years. My rig is a Heathkit HW-9. I also do not
>have a good general coverage receiver capable of receiving the WWV
>broadcasts.

>

> Building the OHR-100a requires a frequency counter for alignment.
>Purchased two Heathkit IM-4100 frequency counters at a computer show and
>flea market. Now for the problem. What can be used to calibrate the
>frequency counters? One Heathkit calibrating procedure calls for a
>accurate Laboratory Standard between 1 and 30 Mhz with a 250 mV to 500
>mV output.

>

> Was wondering if there are any good plans/kits/articles/circuit
>boards available to build a laboratory type frequency standard? Any
>other ideas or recommendations?

>

> I understand this topic is not 100% QRP related and please excuse if
>I have offend anyone. Thought perhaps others in the group may have
>solved a similar problem in their attempts to build and calibrate
>transceiver projects.

You could pay to have them calibrated by a test house, but it will
probably cost more than the equipment is worth. For your purposes you
don't really need that sort of accuracy. Why not make a 1 MHz crystal
oscillator, divide it down, and adjust one of the harmonics for zero-
beat with WWV.

What I did many years ago when I wanted an accurate frequency standard
was to use a PLL locked to the 200 kHz (it's now 198 kHz) BBC Droitwich
long-wave signal. The frequency of this signal is accurately maintained,
and is intended as a frequency standard. You probably have a similar
signal available. I just used one of the Signetics PLL chips, with a
ferrite rod antenna and 500 pF tuning capacitor, with another fixed

capacitor. I'd use a 4046 now for this.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system - schematic and software.

Date: Sat, 17 Jan 1998 14:17:04 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: aplitech@spacestar.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1227] Re: QRP vs Digital
Message-ID: <34C111BF.C1@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Claton Cadmus wrote:

>

> Bob it correct, letters in numbers to QST will get one published, but are you
> sure the offending ops will read it? I think it would be more effective to
> write a very polite letter to the offender than to QST.

Good point Claton. Make sure it is polite. I believe it was N0PL who recently sent "incendiary" emails to rtty ops he copied anywhere below 7045 during the RTTY Roundup a couple of weeks ago. He seemed to have a narrow vocabulary (if you know what I mean), was very condescending and ticked off a number of operators who would have been more receptive to a more reasoned appeal.

> I don't believe digital hams lay in wait just to pounce on QRP CW signals,
> although you might think that by some of the messages here.

I and most rtty contesters will QRL before transmitting on what appears to be a clear frequency. Most of the time this is done in baudot. Some will also qrl on cw but usually only if they know they are in areas used by cw. So my suggestion, if you hear a rtty station come on for less than ten seconds. Quickly send QRL or C or YES TNX and you stand a good chance of avoiding qrm.

> I do believe that many digital hams don't know the subbands, that there
> transmission is 2 kHz lower, and that they should turn up there RF gain when
> they listen to see if there are weak sigs on the band.

There is a lot of confusion among rtty ops over what frequency they are really on because different transceivers display either the mark, space, or worst of all the midpoint between the two. Knowing where they are specifically might help them avoid 14060 or 7040 exactly. But it is not likely to get them to move more than one khz away unless the stations on the frequency are really LOUD. Even if they did, someone less considerate would fill in the space between them.

Most rtty contesters are using high dynamic range receivers with 250 hz cw filters. During the RTTY Roundup, I was able to operate for several hours on 20 meters with S9+ signals 300 hz above and below me. The only time I knew they were there was when I needed to tune the rit to get someone who was calling 150 hz off frequency.

Sub bands disappear in a contest. They tend to expand to fill the need. Fortunately contests dont last for ever and they seldom involve the same mode week to week.

> The very worst thing you can do for QRP is to ignore it.

No, the worst thing you can do is try to jam a rtty station calling cq between 7045 and 7035 during a rtty contest. With qrp, your chances of being successful are not good. Rtty is similar to FM in that the loudest signal is going to "capture" the frequency and the rtty op wont even hear anyone weaker than station he is working.

Additionally you will lose any goodwill that might have existed. I have had rtty ops tell me that after calling cq around 7036 to avoid 7040 and repeatedly having carriers dropped on them or profanities sent in cw, several decided that they would do their calling on 7040.

All of the above refers to rtty, either contests or dx. With some of the other digital modes (packet, pactor,etc.) they do what ever they want and dont pay any attention to anyone else. So if it is chirp chirp, good luck.

73 de Dave, N0IT
Qrper and rtty op

Date: Sat, 17 Jan 1998 15:18:48 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L@Lehigh.EDU
Subject: [1228] FOX: Hunt Tonight!
Message-ID: <34C11228.5C00@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last notice. I am the N/T Fox tonight Jan 18, 0000 to 2000 UTC.
Frequency will be around 7.141. Its good I postponed the Friday hunt,
as Thurs night the loop came down in the wind. Dad and I just got it
back up. The Amateur Radio presentation for the Boy Scouts went very
well.

72,

John, W2MBY
age:11

Date: Sat, 17 Jan 1998 13:21:16 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [1229] Re: FS:OHR: 30M Explorer II
Message-ID: <34C112BC.572@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The SCAF filter is gone...Tks...to all that responded!

Steve

>

> I have a 30 meter OHR Explorer II for sale. Works as spec'd!
> Front panel near perfect few wear marks on top of black case.
> w/manual shipped @ \$85.

SCAF is SOLD!

> Also OHR SCAF SCF-1A very nice CW filter...Mint \$45/shipped.
>
> Steve/n0tu . .

email:N0TU@webaccess.net

Date: Sat, 17 Jan 1998 12:39:51 -0800 (PST)
From: "S. Lee" <slee@u.washington.edu>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1230] Re: WWVB Rx
Message-ID: <Pine.A41.3.95b.980117121556.50234A-100000@homer35.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last Saturday I listened to WWVB using a Drake TR-7 and G5RV up at about 80 feet. Good signals here in the Northwest. Am about to go out today (Saturday again) for a parts run, primarily chokes. Uh oh...will attempt a minimal circuit using 2N2222 transistors. Remember those? Someone here suggested an active antenna and I found a simple design to try out.

Well, here's hoping I can finish this project within a decent timeframe. First goal is to build a functional WWVB receiver.
73 fer nw, de AB7HI, Stephen Lee, Federal Way, WA
slee@u.washington.edu

Date: Sat, 17 Jan 1998 14:44:09 -0600
From: Tom Moll <tomm@xata.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [1231] Tuna Tin2 - CB Slider
Message-ID: <01BD2356.5EDC2FD0@TOMM>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

While hunting up the Tuna Tin 2 article to send to N2T0, I also found a follow up article in the March '77 QST by WA1LNQ and WB5KQJ for the CB Slider, a companion VFO for the Tuna Tin 2. The "CB" came from the fact that it was built in a chopped beef can (shaped like a can of my favorite food - Spam) and used a linear pot to tune. It covered 7.0 to 7.1, and may be of interest to some for an article on a simple VFO design.

There was also a 40m rcvr called the "Herring Aid 5" I think. I'll let =
you guess what its chassis of choice was.
72, Tom Moll NoBS

Date: Sat, 17 Jan 1998 12:47:04 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [1232] Getting Circad Files to JPEG Format
Message-ID: <3.0.1.32.19980117124704.0103f094@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to George Heron for figuring out how to transform Circad output files to JPG format so that we can post schematics to the web page. Here is the secret. The demo version has the PCX plot to file output disabled. I have purchased the full version (I paid \$299 for it from Holophase, they have a special for hams) and when I tried George's suggestion posted here on the net, it worked perfectly. After I plotted the schematic to a PCX format file, I then imported it to HiJack, and converted it to JPG format.

I would really like to encourage the members of the list to download and try the Circad program. It is free for the demo version, and the only way that it is crippled is in some of the output versions, such as PCX and Gerber File output. You can print any drawing and it is not limited in size as are other demos. The neat thing is that you can send your file to others on the list, and they can have an easy way to work with it.

I have been using KeyCad for Dos for years, but I will now go to Circad for the schematics in QRPP. They reproduce much better. Thanks again to George for his help. 72, Doug, KI6DS

Date: Sat, 17 Jan 1998 15:59:57 EST
From: wa8rxi@juno.com (Richard C Arzadon)
To: KF4EIB@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [1233] Re: Oh Woe, Woe is me !!!
Message-ID: <19980117.210354.4775.2.WA8RXI@juno.com>

Gordon,

When your feeling that down and out, there is only one place to go:

<http://www.qrpworld.com>

This should launch you back outta the doldrums.

Have fun es of course 72, Rick

P.S. another one I like is <http://www.dxer.org> , for guess what & callsign lookups too..

Date: Sat, 17 Jan 1998 15:59:58 EST
From: wa8rxi@juno.com (Richard C Arzadon)
To: ki7mn@dancris.com
Cc: qrp-l@Lehigh.EDU
Subject: [1234] Re: QRP vs Digital on 14.060]
Message-ID: <19980117.210354.4775.3.WA8RXI@juno.com>

Bob es gang,
Sent a letter to Jim Mortensen N2HOS (then Digital Journal) and Bill Lunt KR1R (ARRL). Received *NO* response from Bill Lunt, what follows are excerpts from
Jim's response via letter dated 13-Jan-1996.

"Is there a solution ? No, but if I worked CW QRP, I would go lower. The CCW folks decided to settle in around 14.035 (and the same on other frequencies when appropriate) and seem to tangle with nobody there. They have many of the same needs as you and their move might lead the way to a better world for all."

He also adds,

"With regret I must say that the old 'gentlemen's agreements' mean little today.

Remember, the first one to go was the agreement to keep packet above 14100, and other digital modes below (I think he meant above) 14080 so RTTY could have 14080-14100. That's rather a sordid tale. In retrospect, I think it was merely an omen of things to come rather than something to weep about."

Now, I must say that DX is allowed RTTY in "our" CW portion of some of the bands.

In fact, I saved a packet message from WS10 Brian Battles (ARRL, the chubby one leaning on vehicle [cover September 1994 QST]).

The packet message title is "The considerate operators frequency guide".
It shows 7.040 as RTTY DX !
And, 14070-14099.5 RTTY - of course Digital does get down below this, CW
is Digital HI.
I have operated RTTY in the past (WAS and 117 Countries confirmed).
Hopefully, this "problem" will only occur during major Digital Contests.

Please don't grope for the Flame Thrower!!
Cheers & 72, Rick

Date: Sat, 17 Jan 1998 16:16:36 EST
From: Shepherd <Shepherd@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1235] N/T+ Fox for 1/19/98 Reminder
Message-ID: <c28bed95.34c11fb7@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello all,
My name is Dan Shepherd, N8VZU from Kettering, Oh.
I will be the Fox on 1/19/98 from 0000 to 0200Z (Sunday 1900 EST)
I will work around 7.140 +/- MHz
Rig is a Yaesu FT-101 at 5 W into a home brew vertical.

This is my second time as a Fox.

I will QSL to all.
Thanks, and 72
Dan, N8VZU
QRP-L #1404

Date: Sat, 17 Jan 1998 13:28:14 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [1236] Tuna Tin 2, CB Slider & Herring Aid 5
Message-ID: <3.0.1.32.19980117132814.00ca1b50@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is starting to be fun. Why don't we find someone to update the CB
Slider and the Herring Aid 5 articles to modern components. If someone

will do it, I will draw the schematics in Circad as well as an updated version of the parts layout. All that has to be done is to find substitutes that are readily available, and I would suggest Mouser as the place to start. When we are done, the files can be sent to those who request them, and the scematics can also be posted on the web pages. Monte and I can both print the articles in QQ and QRPP, and we can send the circuit board layouts to Fred at Far Circuits. It will be a QRP-L update of classic circuits, and we can all have some fun. I looked at the parts list for the Tuna Tin 2, and we are talking about less than \$5, counting the crystal for \$3. Ok, guys, Monte and I are committed (Hey Monte, how do you like the way that I volunteered you??? Grin (Monte is a very close friend)). What we need is a volunteer to update the circuits. For those who are interested, the CB Slider is in March 77 QST and is a VFO for the Tuna Tin 2, and the Herring Aid 5 is a direct conversion receiver that was in July 76 QST.

Contact me via private email if you are willing to figure out the substitutes.

Next question, will someone who has the CD Rom version of the 76 and 77 years of QST send me private email. Hot dog, this is gonna be fun. 72, Doug, KI6DS

Date: Sat, 17 Jan 1998 14:23:16 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@Lehigh.EDU
Subject: [1237] Transistor Checker Circuit??
Message-ID: <Pine.OSF.3.91.980117142151.10035B-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone direct me toward a not-too-complicated circuit for building a transistor checker that will handle both bipolars and FETs?

Thanks.

Jim W0KSD

Date: Sat, 17 Jan 1998 16:41:25 -0500
From: n2jgu@juno.com (Gary M Diana)
To: qrp-l@Lehigh.EDU

Cc: wb8ygg@juno.com, n2jgu@juno.com
Subject: [1238] Update: ER's TIXIE
Message-ID: <19980117.164311.4246.1.n2jgu@juno.com>

Hello all...

To get the updated info on the TIXIE, visit:

<http://www.frontiernet.net/~embres>

For those without Internet web access, here's a summary:

1. We are offering the TIXIE board + your choice of TiCK chip as follows:

TIX-1	- TIXIE board + TiCK-1 chip	\$10.00 + S/H
TIX-2	- TIXIE board + TiCK-2 chip	\$12.50 + S/H
TIX-2B	- TIXIE board + TiCK-2B chip	\$15.00 + S/H

2. Shipping and handling is \$2.50 US, and \$5.00 DX.
3. Package includes a copy of the QRPP article by Chuck K1CL, "Adding Sidetone and Receive Offset to the Pixie, the TiCK Way" (QRPP Winter 1997).
4. Also included, is TiCK documentation, and hints where to find the parts.
5. Payment should be in US dollars: check or money order.
Send to: Embedded Research, PO Box 92492, Rochester NY 14692.
6. We expect to start shipping the TIXIE 1/25/98.

Best regards...

- Gary N2JGU / Brad WB8YGG
Embedded Research
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

Date: Sat, 17 Jan 98 16:46:39 PST
From: gregoire@endor.com
To: Low power amateur radio discussion <qrp-1@Lehigh.EDU>
Subject: [1239] CW tone,ans from a non ham.
Message-ID: <Chameleon.980117165312.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Gang,

I thought that all that could be said on the subject
has been said,but.....

I asked my XY1, a non ham to listen to W1AW durring
the code practice broadcast. I changed the CW pitch from
400 to 800 Hz. She says the 400 sounded like it was hollow
and had an under water sound to it.

She said the 800 sound was crisp and clear.

She also has normal hearing, I do not, but prefer the
800 Hz. tone too for the same reason.

de AA1IK,	Time the accursed enemy of man,
Ernie Gregoire	cursed youth for going to slow and by the old for going to fast.

R.R. 1, Box 221,	
South Rd.	Fists # 2644,ARCI # 9500
Canaan, NH. 03741	QRP-L # 95, Fly fisher & tier, Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/17/98 16:46:39

Date: Sat, 17 Jan 1998 16:14:01 -0600
From: dannyayers@juno.com (danny k ayers)
To: qrp-1@Lehigh.EDU
Subject: [1240] Re: Ten-Tec Rig Info -- Watson/WB4EXW
Message-ID: <19980117.161803.8806.0.dannyayers@juno.com>

Hi Watson,

Sorry for the public post, but mail sent to: wgabriel@duke-energy.com bounced on three different attempts.

Thanks for the reply. I got one other particularly helpful reply to my post. In case you might be interested, it pointed me to:

<http://asd.state.va.us/tentec>

This site has pics and Ten-Tec Spec sheets for many of the older rigs, as well as original prices for a few. Thanks again for the response, hope I can return the favor some day.

73,
Danny- WX4P

Date: Sat, 17 Jan 1998 14:30:08 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [1241] ironon pcb
Message-ID: <19980117.143009.11798.0.dave_epps@juno.com>

I am trying to find the distributor for the (paper, film or whatever) that you use to photocopy pcb artwork to and then iron it onto the pcb.
 tks dave ab5pc fresno,ca

Date: Sat, 17 Jan 1998 16:20:06 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: "Dave Sjolin" <sjolin@swbell.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [1242] Re: QRP vs Digital
Message-ID: <00a001bd2398\$d59d5120\$9ac9bfce@groucho>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>> The very worst thing you can do for QRP is to ignore it.
>
>No, the worst thing you can do is try to jam a rtty station calling cq
>between 7045 and 7035 during a rtty contest.

Your right Dave, but that thought never even crossed my mind. I'm sure no one on this list would intentionally interfere!

73 de Cla KA0GKC

Date: Sat, 17 Jan 1998 18:07:04 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [1243] Antennas on 97 Taurus
Message-ID: <01bd239c\$9fee3220\$0f5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I would like to know if anyone has a 97 Ford Taurus and you are working Hf mobile? This car has a fiberglass trunk. Any suggestions about making a ground plain under the trunk?

Thanks,
73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309

Date: Sat, 17 Jan 1998 15:26:11 -0800 (PST)
From: David J Adams <adamscian@netgate.net>
To: KB9RPD@aol.com, qrp-l@Lehigh.EDU
Subject: [1244] Re: Doug DeMaw
Message-ID: <199801172326.PAA15174@u1.netgate.net>

Date: Sat, 17 Jan 1998 15:47:14 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: KB9RPD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1245] Re: Doug DeMaw
Message-ID: <34C14302.4D99@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ted,

Glad to hear that you didn't get too out of shape by the rantings of a few of the fools that are here!!

Most on this list are really great and I am very proud to be a part of that bunch.

On the other hand, there are a handfull that really ain't worth the powder needed to blow em' up!

Welcome to the group and build/enjoy the Tuna Tin II! I hope to work you with it one of these days,

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

End of QRP-L Digest 973

